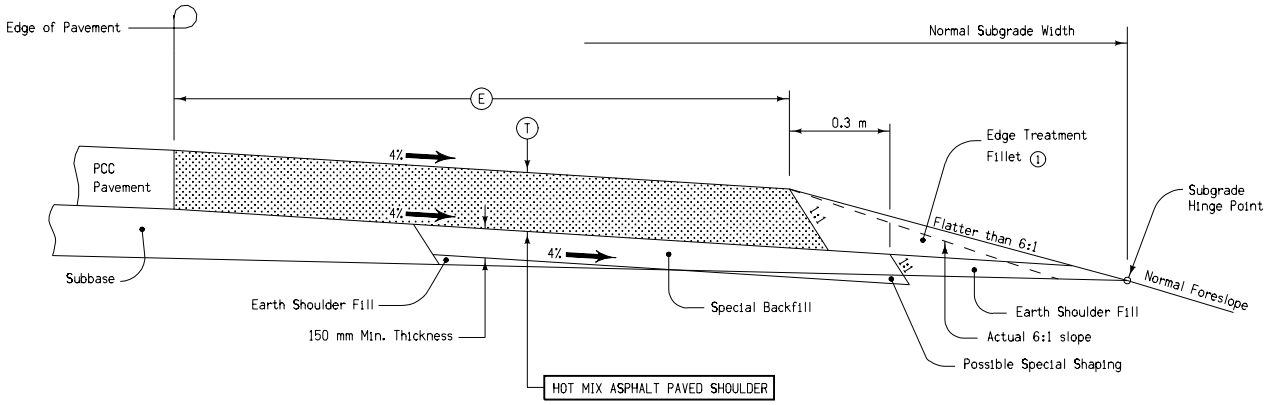

TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER

DESIGN QUANTITY TABLE (2)								
	E = 1.2 m		E = 1.8 m		E = 2.4 m		E = 3.0 m	
T	Area m^2	HMA Mg (3)	Area m^2	HMA Mg (3)	Area m^2	HMA Mg (3)	Area m^2	HMA Mg (3)
200	120.0	60.5	180.0	88.4	240.0	116.3	300.0	144.2
210	120.0	63.7	180.0	93.0	240.0	122.3	300.0	151.6
220	120.0	67.0	180.0	97.7	240.0	128.4	300.0	159.1
230	120.0	70.3	180.0	102.4	240.0	134.5	300.0	166.6
240	120.0	73.7	180.0	107.1	240.0	140.6	300.0	174.1
250	120.0	77.0	180.0	111.9	240.0	146.8	300.0	181.6
260	120.0	80.4	180.0	116.7	240.0	152.9	300.0	189.2
270	120.0	83.8	180.0	121.5	240.0	159.1	300.0	196.8
280	120.0	87.2	180.0	126.3	240.0	165.4	300.0	204.4
290	120.0	90.7	180.0	131.1	240.0	171.6	300.0	212.1
300	120.0	94.2	180.0	136.0	240.0	177.9	300.0	219.7

GENERAL NOTES:

Details indicated hereon illustrate the general requirements for construction of Hot Mix Asphalt Paved Shoulder.

Any special shaping of subgrade necessary, prior to construction of paved shoulders, shall be accomplished as directed by the Engineer. Any material removed due to this special shaping may be used as earth fill, Class 10 excavation, Class 13 excavation, or on other suitable areas on the project as approved by the Engineer.

The subgrade beneath Paved Shoulders shall be constructed in conformance with specifications for Natural Subgrade. "Special Backfill" material shall be paid for as specified in Section 2102. Payment shall be based on a uniform 150 millimeters thickness. The thickness may be exceeded at the Contractor's option with no compensation for additional material.

For rumble strip details see Standard Road Plan RH-41D.

Rumble strips, special shaping, earth shoulder fill, and furnishing and finishing material for edge treatment fillet are incidental.

(1) Refer to the appropriate Detail Drawing.

(2) Quantities indicated are for design purposes and may be adjusted at time of construction if so directed by the Engineer. Quantities listed are for one shoulder per station.

(3) Quantities shown are based on a design density of 2325 kilograms per cubic meter for Hot Mix Asphalt with an asphalt content of 6.0% utilizing a 19 millimeter aggregate mix size, with 45% crushed particles, and no special aggregate frictional requirements. N_{ini}, N_{des}, and N_{max} shall be 7, 68, and 104 respectively regardless of design ESALs for the pavement. Asphalt Binder PG58-28 shall be utilized with this mix.

All dimensions given in millimeters unless noted.

M

Iowa Department of Transportation
Highway Division

METRIC VERSION

STANDARD ROAD PLAN RH-41C

REVISION: Show flatter than 6:1 slope and actual 6:1 slope.

REVISION NO. 14

REVISION DATE 10-29-02

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

PAVED SHOULDER
FULL DEPTH HOT MIX ASPHALT
(ADJACENT TO PCC PAVEMENT)